



Delta Power Services
Mecklenburg Power Station
204 Cogen Drive, Clarksville VA 23927
(434)-374-6036 (434)-374-6038

Document certification

On February 23, 2009, an electronic Tier II Emergency and Hazardous Chemical Inventory Report for Reporting Year (2008) was submitted via the Internet e-mail to the VERC (ndmcdaniel@deq.virginia.gov) from the e-mail address of tcreson@deltapowerservices.com.

This information was submitted as required under Section 312 of the Emergency Planning and Community Right-to-Know Act of 1986 for:

Mecklenburg Power Station
204 Cogen Drive
Clarksville, VA 23927

The electronic submittal contained a total of 14 chemical reports for the aforementioned facility. These chemicals are:

- | | |
|----------------------------------------------|-------------------------|
| 1. #2 Fuel Oil | 8. MillSperse 956 |
| 2. Bituminous Coal | 9. Pebble Lime |
| 3. Coal Ash | 10. Sodium Hydroxide |
| 4. Drew 2215 | 11. Sodium Hypochlorite |
| 5. DrewBrom Precursor | 12. Sulfuric Acid |
| 6. Ferric Sulfate | 13. Transformer Oil |
| 7. Lead-Acid Batteries
(w/ Sulfuric Acid) | 14. Turbine Oil |

Our technical point of contact is, **Tony Creson**, who is available should any questions or problems arise in the processing of the electronic submittal.

I understand the Tier II report submittal will be deemed complete when both the electronic report and the sign certification letter are received by the VERC.

I certify under penalty of law that I have personally examined and am familiar with the information contained in the aforementioned submission, and that based on my inquiry of those individuals responsible for obtaining the information, I believe the information submitted is true, accurate, and complete.

Glenn T. Burney
Name

Plant Manager
Title


signature

23Feb2009
Date

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2008

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Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

FACILITY IDENTIFICATION:

Mecklenburg Power Station
Dept:
204 Cogen Drive
Clarksville, VA 23927 USA
County: Mecklenburg
Number of employees: 39
Latitude: 36.624
Longitude: 78.557
Method: G1 - GPS (Static)
Description: AS - Air Release Stack

IDENTIFICATION NUMBERS:

Dun & Bradstreet: 00-794-1446
NAICS: 221112 (Fossil Fuel Electric Power Generation)
SIC: 4911 (ELECTRICAL SERVICES)

CONTACT INFORMATION:

Controlroom,
Contact Type 1: Emergency Contact
Address: 204 Cogen Drive, Clarksville, VA, 23927 USA
Phones: 24-hour: 434-374-6036 x6037

Creson, Tony
Title: Environmental Health & Safety Contact Type 1: Regulatory Point of Contact Contact Type 2: Submitter
Address: 204 Cogen Drive, Clarksville, , 23927 USA
Phones: Mobile - Cell: 336-503-2297 Work: 434-374-6036 x6078
Email: tcreson@deltapowerservices.com

Burney, Glenn
Title: Plant Manager Contact Type 1: Owner / Operator
Address: 204 Cogen Drive, Clarksville, VA, 23927 USA
Phones: Work: 434-374-6085
Email: gburney@deltapowerservices.com

CHEMICAL DESCRIPTIONS:

[x] All chemicals in inventory are identical to last year's submission

CHEM NAME: #2 Fuel Oil

CAS: 68476-34-6

[x] Identical to previous year

[] TRADE SECRET

[x] Pure [] Mix [] Solid [x] Liquid [] Gas [] EHS

PHYSICAL & HEALTH HAZARDS:

[x] Fire [] Sudden Release of Pressure [x] Reactivity [x] Immediate (acute) [x] Delayed (chronic)

INVENTORY:

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Fuel Oil Storage Tank Amount: pounds

Container Type: C Pressure: 1 Temp: 4 Location: Diesel Fire Pump Tank Amount: pounds

Container Type: A Pressure: 1 Temp: 4 Location: Diesel Refueling Tank Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Bituminous Coal

CAS: 125612-26-2

☒ Identical to previous year☐ TRADE SECRET☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 09 (100,000,000 - 499,999,999 pounds)

Avg Daily Amt code: 09 (100,000,000 - 499,999,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: R Pressure: 1 Temp: 4 Location: Coal Pile & Coal Handling System Amount: pounds

Container Type: H Pressure: 1 Temp: 4 Location: Coal Storage Silos Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Coal Ash

CAS: 71243-67-9

☒ Identical to previous year☐ TRADE SECRET☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 06 (1,000,000 - 9,999,999 pounds)

Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: H Pressure: 1 Temp: 4 Location: Flyash Silo Amount: pounds

Container Type: H Pressure: 1 Temp: 4 Location: Recycle Ash Silo Amount: pounds

Container Type: R Pressure: 1 Temp: 4 Location: Bottom Ash Silo Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Drew 2215 Cooling Water Treatment

CAS:

☐ Identical to previous year☐ TRADE SECRET

Tier Two

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

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Facility Name: Mecklenburg Power Station

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

CHEMICAL COMPONENTS:

- ☐ EHS, CAS: 181828-06-8, Component: Sodium Polyaspartate, 7% Wt
- ☐ EHS, CAS: 40372-66-5, Component: Phosphonobutanetricarboxylate Salts, 7% Wt
- ☐ EHS, CAS: 7778-53-2, Component: Potassium Phosphate, 7% Wt
- ☐ EHS, CAS: 180513-31-9, Component: Phosphonocarboxylic Acid Mixture, 5% Wt
- ☐ EHS, CAS: 64665-53-8, Component: Potassium Tolyltriazole, 5% Wt
- ☐ EHS, CAS: 7320-34-5, Component: Tetrapotassium Pyrophosphate, 3% Wt

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 03 (1,000 - 9,999 pounds)

Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

No. of days on-site: 25

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Cooling Tower Chemical Building Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Drewbrom Precursor

CAS:

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

CHEMICAL COMPONENTS:

- ☐ EHS, CAS: 7647-15-6, Component: Sodium Bromide, 38% Wt

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Cooling Tower Chemical Building Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Ferric Sulfate

CAS:

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS

CHEMICAL COMPONENTS:

- ☐ EHS, CAS: 10028-22-5, Component: Ferric Sulfate, 49% Wt
- ☒ EHS, CAS: 7864-93-9, Component: Free Sulfuric Acid, 1% Wt

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

Tier Two

Reporting Period: January 1 to December 31, 2008

Emergency and Hazardous Chemical Inventory

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Specific Information by Chemical

Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

STORAGE CODES & STORAGE LOCATIONS:

Container Type: C Pressure: 1 Temp: 4 Location: Water Treatment Building Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Lead-Acid Batteries (with Sulfuric Acid)

CAS: 7439-92-1

☒ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☒ Solid ☒ Liquid ☐ Gas ☒ EHS

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: R Pressure: 1 Temp: 4 Location: Batteries in Battery Room Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Millsperse 956

CAS:

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

CHEMICAL COMPONENTS:

☐ EHS, CAS: 10124-56-8, Component: Sodium Hexametaphosphate, 40% Wt

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 03 (1,000 - 9,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Cooling Tower Chemical Building Amount: 14607 pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Pebble Lime

CAS: 37247-91-9

☒ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☒ Solid ☒ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☒ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

Tier Two

Reporting Period: January 1 to December 31, 2008

Emergency and Hazardous Chemical Inventory

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Specific Information by Chemical

Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: H Pressure: 1 Temp: 4 Location: Lime Storage Silos (2) Amount: pounds

Container Type: R Pressure: 1 Temp: 4 Location: Lime Grit Dewatering Area Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Sodium Hydroxide

CAS: 1310-73-2

☒ Identical to previous year

☐ TRADE SECRET

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: C Pressure: 1 Temp: 4 Location: Wastewater Treatment Building Amount: pounds

Container Type: C Pressure: 1 Temp: 4 Location: Water Treatment Building Amount: pounds

Container Type: E Pressure: 1 Temp: 4 Location: Warehouse Amount: pounds

Container Type: N Pressure: 1 Temp: 4 Location: Laboratory Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Sodium Hypochlorite

CAS: 7681-52-9

☐ Identical to previous year

☐ TRADE SECRET

☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

CHEMICAL COMPONENTS:

☐ EHS, CAS: , Component: , %

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☐ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Unit 2 Cooling Tower Amount: pounds

Container Type: C Pressure: 1 Temp: 4 Location: Water Treatment Building Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Sulfuric Acid

CAS: 7664-93-9

☒ Identical to previous year

☐ TRADE SECRET

Emergency and Hazardous Chemical Inventory

Specific Information by Chemical

Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☒ EHS

CHEMICAL COMPONENTS:

☒ EHS, CAS: 7664-93-9, Component: Sulfuric Acid, 93% Wt

PHYSICAL & HEALTH HAZARDS:

☐ Fire ☐ Sudden Release of Pressure ☒ Reactivity ☒ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: A Pressure: 1 Temp: 4 Location: Wastewater Treatment Building Amount: pounds

Container Type: C Pressure: 1 Temp: 4 Location: Water Treatment Building Amount: pounds

Container Type: E Pressure: 1 Temp: 4 Location: Warehouse Amount: pounds

Container Type: N Pressure: 1 Temp: 4 Location: Laboratory Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Transformer Oil

CAS: 64742-53-6

☒ Identical to previous year☐ TRADE SECRET☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 05 (100,000 - 999,999 pounds)

Avg Daily Amt code: 05 (100,000 - 999,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: R Pressure: 1 Temp: 4 Location: Transformers Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

CHEM NAME: Turbine Oil

CAS: 64742-54-7

☒ Identical to previous year☐ TRADE SECRET☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

PHYSICAL & HEALTH HAZARDS:

☒ Fire ☐ Sudden Release of Pressure ☐ Reactivity ☐ Immediate (acute) ☒ Delayed (chronic)

INVENTORY:

Max Daily Amt code: 04 (10,000 - 99,999 pounds)

Avg Daily Amt code: 04 (10,000 - 99,999 pounds)

No. of days on-site: 365

STORAGE CODES & STORAGE LOCATIONS:

Container Type: C Pressure: 1 Temp: 4 Location: Turbine Lube Oil Tanks Amount: pounds

CHEMICALS IN INVENTORY STATE FIELDS:

No additional chemical information is required by Virginia

Tier Two

Reporting Period: January 1 to December 31, 2008

Emergency and Hazardous Chemical Inventory

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Specific Information by Chemical

Printed: February 23, 2009

Facility Name: Mecklenburg Power Station

FACILITY STATE FIELDS:

No additional information is required by Virginia

STATE / LOCAL FEES: None.

- ☐ I have attached a site plan
- ☐ I have attached a list of site coordinate abbreviations
- ☐ I have attached a description of dikes and other safeguard measures

NOTES: Formerly known as "Mecklenburg Cogeneration Facility".

Facility was purchased by "Virginia Electric and Power Company" in August 2004, and the facility was renamed "Mecklenburg Power Station".

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 7, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Glenn T. Burney

2/23/2009

Name and official title of owner/operator
OR owner/operator's authorized representative

Signature

Date signed